AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A digital document processing system, comprising an adaptable front end for receiving an input stream representing source data in one of a plurality of predetermined data formats and containing information representative of a visual image, wherein the source data defines a content and a structure of a digital document,

an interpreting module for interpreting said input stream to generate an internal representation of said visual ~~display~~ image, wherein said internal representation describes said structure separately from said content, and said internal representation further describes said structure in terms of generic objects defining a plurality of data types and parameters defining properties of specific instances of generic objects, and

a rendering engine for processing said internal representation and for generating an output data stream suitable for driving an output device to present the visual image.

Claim 2 (Original) A system according to claim 1, wherein said adaptable front end includes a process for monitoring a data stream and for identifying files in any of the formats from the set consisting of HTML, XML, PDF, DOC, RM, VRML and SGML.

Claim 3 (Cancelled)

Claim 4 (Currently Amended) A system according to claim 1, further including a library of generic objects, said internal representation ~~data~~ being based on the content of said library.

Claim 5 (Currently Amended) A system according to claim 1, including a parsing and rendering module adapted to generate an object and parameter based representation of the visual image.

Claim 6 (Original) A system according to claim 1, further including a shape processing module adapted to receive an object and parameter based representation of the visual image and to

convert said object and parameter based representation into an output data format suitable for driving a particular output device.

Claim 7 (Currently Amended) A system according to claim ~~5~~ 6, wherein said shape processing module processes said objects on the basis of a boundary box defining the boundary of an object, a shape defining the actual shape of the object bounded by the boundary box, the data content of the object and the transparency of the object.

Claim 8 (Currently Amended) A system according to claim ~~5~~ 6 wherein said shape processor is adapted to apply grey-scale anti-aliasing to the edges of said objects.

Claim 9 (Currently Amended) A system according to claim ~~5~~6 wherein said shape processing module has a pipeline architecture.

Claim 10 (Original) A system according to claim 1, wherein said internal representation includes object parameters having dimensional, physical and temporal parameters.

Claim 11 (Currently Amended) A system according to claim 1, further including a chrominance/luminance-based ~~colour~~ color model to describe ~~colour~~ color data.

Claim 12 (Cancelled)

Claim 13 (New) A system according to claim 1, wherein the source data is generated by a first application program, and said driving of said output device is achieved without the operation of said first application program and without converting said internal representation into a second document format to be rendered by a second application program.

Claim 14 (New) A system according to claim 1, wherein the output device is a display.

Claim 15 (New) A system according to claim 1, wherein the output device is a monitor.

Claim 16 (New) A system according to claim 1, wherein the output device is a screen.

Claim 17 (New) A system according to claim 1, wherein the output device is a printer.

Claim 18 (New) A system according to claim 1 wherein the output device is a plotter.

Claim 19 (New) A system according to claim 1 wherein the output data stream is a bitmap.

Claim 20 (New) A system according to claim 1 wherein the output data stream is a dot map for a printer.

Claim 21 (New) A system according to claim 1 wherein the output data stream is a vector instruction set.

Claim 22 (New) A system according to claim 1, wherein said digital document includes at least one interactive feature, said internal representation includes graphical user interface objects for generating interactive visual displays, and the output data stream generated by the rendering engine is suitable to drive an output device to present an interactive visual image having the interactive feature of said digital document.

Claim 23 (New) A system according to claim 22 wherein the interactive feature is a menu.

Claim 24 (New) A system according to claim 22 wherein the interactive feature is a button.

Claim 25 (New) A system according to claim 22 wherein the interactive feature is an icon.

Claim 26 (New) A system according to claim 5, wherein said parsing and rendering module generates an object and parameter based representation of a specific view of at least part of said visual image on the basis of a first view control input to said parsing and rendering module.

Claim 27 (New) A system according to claim 26 wherein the view control input is a zoom instruction.

Claim 28 (New) A system according to claim 26 wherein the view control input is a pan instruction.

Claim 29 (New) A system according to claim 26 wherein the view control input is a scroll instruction.

Claim 30 (New) A system according to claim 26 wherein the view control input defines the viewing context and related temporal parameters.

Claim 31 (New) A system according to claim 30 wherein the viewing context is a magnification level.

Claim 32 (New) A system according to claim 30 wherein the temporal parameters include a pan speed.

Claim 33 (New) A system according to claim 30 wherein the temporal parameters include a scroll speed.

Claim 34 (New) A system according to claim 30 wherein the temporal parameters include a display duration.